



General Motors Corporation  
Legal Staff

Facsimile  
(313) 974-1260

Telephone  
(313) 974-1572

MAY 29 1998

37713

NHTSA-98-3585-44

DEPARTMENT OF TRANSPORTATION  
98 JUL 17 PM 3:02  
DOCKET SECTION

The Honorable Philip R. Recht  
Deputy Administrator  
NATIONAL HIGHWAY TRAFFIC  
SAFETY ADMINISTRATION  
400 Seventh Street, S.W., Room 5220  
Washington, DC 20590

Dear Mr. Recht:

Re: **Settlement Agreement**

Enclosed are financial reports, based on generally accepted accounting principles, showing expenditures for the first quarter of Year 3 of the settlement agreement.

Sincerely,

David A. Collins  
Attorney

c: James A. Durkin, Esq.

Enclosures

DOT/GM Settlement Agreement  
Summary Report of Expenditures  
**April 1, 1995 - June 30, 1997**  
**(Year Three First Quarter)**

Sections		Actuals				First Quarter Year 3 (b)	Year 3 To Date Total (b)	Expenditures Through June 1997	Required Expenditures by End of Year 3	(Over) / Under (c)
		Years	April 1997	May 1997	June 1997					
		1 & 2 (a)								
		\$								
B	Fire Safety Research	5,092,676	10,921	23,409	7,534	41,864	41,864	5,134,540	5,000,000	(d) (134,540)
C	Public Education	4,985,000						4,985,000	7,113,000	2,128,000
D	Crash Test Dummy Research & Development	2,049,939						2,049,939	3,500,000	1,450,061
E	Bum & Trauma Research	2,220,991						2,220,991	3,000,000	779,009
F	Computer Modeling	2,279,575						2,279,575	2,000,000	(e) (279,575)
G	Impairment Research	1,576,351						1,576,351	2,600,000	1,023,649
H	Child Safety Seats	6,000,000			2,000,000	2,000,000	2,000,000	8,000,000	8,000,000	
Total Expenditures		24,204,532	10,921	23,409	2,007,534	2,041,864	2,041,864	26,246,396	31,213,000	4,966,604

Notes.

(a) Years 1 & 2 represent April 1, 1995 - March 31, 1997.

(b) Year 3 represents April 1, 1997 - March 31, 1998.

(c) Over spending to date, or additional spending required by end of Year 3.

(d) Additional expenditures of \$5 million are required in years 3-5.

(e) Additional expenditures of \$3 million are required in years 24.

DOT/GM Settlement Agreement  
Report of Expenditures  
April 1, 1997 -June 30, 1997  
"B" Fire Safety Research  
(Year Three First Quarter)

Projects	Actuals					Year 3 Budget	Year 3 <b>Actual</b> (Over) I Under Budget
	April	May	June	First Quarter Total	Year 3 to Date <b>Total</b> (a)		
	\$	\$	\$	\$	\$	\$	\$
<b>B 1</b> Analysis of Motor Vehicle Accident Data		- (b)	- (b)			500,000	500,000
<b>B 2</b> Case Studies of Motor Vehicle Fires	1,240	1,116	434	<b>2,790</b>	2,790	700,000	<b>697,210</b>
<b>B 3</b> Fire Initiation and Propagation Tests	- (b)	- (b)	- (b)			<b>2,100,000</b>	<b>2,100,000</b>
<b>B 4</b> <b>Evaluation</b> of Potential Fire Intervention Materials & Technologies	4,444	14,902	5,232	24,578	24,578	400,000	375,422
<b>B 5</b> Development of Crash Test Protocols		- (b)				500,000	500,000
<b>B 6</b> Analyses of Failure Modes & Effects for Alternately Fueled Vehicles		248 (d)		248	248		(248)
<b>B 7</b> Development of Criteria & Methodologies for In-Service Inspections of Gaseous Fuel Pressure Vessels				-	-		
<b>B 8</b> Search of Scientific Literature	<b>5,237</b> (c) (d)	7,143 (c) (d)	<b>1,868</b> (c) (d)	14,248	14,248		(14,248)
B 9 Inspection of Aging Vehicles and Testing of Components	- (b)	- (b)		-	-	100,000	100,000
B 10 Study of Flammability of Materials	- (b)	- (b)	- (b)	-	-	585,000	585,000
B 11 Study of Component Influence on Vehicle Fires	- (b)	- (b)	- (b)			250,000	250,000
B 12 <del>Canceled per</del> agreement between NHTSA and GM				-	-		
B 13 Development of Technical Information for Dissemination to First Responders				-	-	200,000	200,000
<b>B 14</b> Demonstration of <b>Enhanced</b> Fire Safety <b>Technology</b>				-	-	300,000	300,000
<b>B 15</b> Theoretical & Experimental Study of <b>Thermal</b> Barriers Separating Automobile Engine & Passenger <b>Compartment</b>				-	-	- (e)	
Total Expenditures	10,921	23,409	7,534	41,864	41,864	<b>5,635,000</b>	<b>5,593,136</b>

Notes

(a) Year 3 represents April 1, 1997 -March 31, 1998.

(b) **Work** is progressing on this project, **and** any expenditures (including oversight and administrative expenses) will be reported upon **NHTSA's** approval of **the** Statement of Work for Year 3.

(c) Although **the** substantive **work** of this project was completed in Year 2, some expenditures toward the end of Year 2 **are** being repotted in Year 3.

(d) Although the substantive **work** of **this** project **was** completed in Year 2, **there** were expenditures in Year 3 for oversight or administrative **work**.

(e) Budget period for Project B 15 is for Years 2 and 3, but the initial budget of **\$50,000** was fully expended in Year 2. As of June 30, 1997, there is no budget for expenditures in Year 3.

DOT/GM Settlement Agreement  
Report of Expenditures  
**April 1, 1997 - June 30, 1997**  
**"C" Public Education**  
**(Year Three First Quarter)**

Projects	Actuals			First Quarter Total	Year 3 To Date Total (a)	Proposed Year 3 Budget	Year 3 Actual (Over)/Under Budget
	April	May	June				
	\$	\$	\$	\$	\$	\$	\$
C 1 Support for State Safety Legislation	-	-	-			600,000	600,000
C 2 Support for Enforcement of State Safety Laws	-	-	-			1,800,000	1,800,000
C 3 Support for Safety Organizations					-	600,000	600,000
Total Expenditures	-	-			-	3,000,000	3,000,000

Notes:

(a) Year 3 represents April 1, 1997 - March 31, 1998.

DOT/GM Settlement Agreement  
Report of Expenditures  
**April 1, 1997 - June 30, 1997**  
**"D" Crash Test Dummy Research & Development**  
**(Year Three First Quarter)**

Projects	Actuals			First Quarter Total	Year 3 To Date Total (a)	Year3 Budget	Year3 Actual (Over) / Under Budget
	April	May	June				
	\$	\$	\$	\$	\$	\$	\$
D 1 Development of High-Speed Deflection Sensor for the Hybrid III Dummy Family	• (b)	• (b)	• (b)			100,000	100,000
D 2 Development of Reusable, Rate-Sensitive Abdomen	• (b)	• (b)	• (b)		• • •	300,000	300,000
D 3 Refinement of Crash Test Dummy Necks	• (b)	• (b)	• (b)			305,000	305,000
D 4 Identification of Injury Mechanisms Resulting in Injuries to Upper Extremities in Frontal Crashes	• (b)	• (b)					• (c)
D 5 Investigation of Alternative Data Compression / Transmission Methodologies		(b)		(b)			• (c)
D 6 Cancelled per agreement between NHTSA and GM							
D 7 Development and Dynamic Testing of a Second Generation Pregnant Abdomen	• (b)	• (b)					• (c)
D 8 Data Acquisition for Development of a Uteroplacental Interface for the Second Generation Pregnant Abdomen	• (b)						• (c)
D 9 Investigations of Pregnancy Loss Resulting from Motor Vehicle Crashes		(b)					• (c)
D 10 Seated Anthropometry During Pregnancy	• (b)						• (c)
D 11 Biofidelity of the Hybrid III Lumbar Spine	• (b)						• (c)
D12 Development of Estimated Infant Head Injury Tolerances							• (c)
D13 Dummy Enhancements for Occupant Position Sensor Compatibility							• (c)
Total Expenditures	-	-	-	-	-	705,000	705,000

Notes:

(a) Year 3 represents April 1, 1997 -March 31, 1998.

(b) Work is progressing on this project, and any expenditures (including oversight and administrative expenses) will be reported upon NHTSA's approval of the Statement of Work for Year 3

(c) A project description for Year 3 had not been submitted to NHTSA as of June 30, 1997.

DOT/GM Settlement Agreement  
Report of Expenditures  
**April 1, 1997 - June 30, 1997**  
**"E" Burn & Trauma Research**  
**(Year Three First Quarter)**

Projects				First	Years 3-4	Proposed	Years 3-4
	April	May	June	Quarter	to Date	Years 3-4	Actual
	\$	\$	\$	Total	Total (a)	Budget	(Over) / Under
				\$	\$	\$	Budget
E 1 Fund Data Collection On Crashes, Injuries, and Their Consequences	-	-	-	-	-	1,800,000	(b) 1,800,000
E 2 Fund Research in Bum & Impact Trauma Mechanisms and Treatment	-	-	-	-	-	200, 000	(b) 200, 000
E 3 Establish a Network for Data Collection on Crashes, Injuries, and Their Consequences	- (c)	- (c)	- (c)			780, 000	(b) 780, 000
Total Expenditures	-			-		2,780,000	2,780,000

Notes:

(a) Year 3 represents April 1, 1997 -March 31, 1998.

(b) The project description for Years 3-4 had been submitted to NHTSA as of June 30, 1997 but had not yet been approved.

(c) Work is progressing on this project, and any expenditures (including oversight and administrative expenses) will be reported upon NHTSA's approval of the Statement of Work for Year 3.

DOT/GM Settlement Agreement  
Report of Expenditures  
**April 1, 1997 - June 30, 1997**  
**"F" Computer Modeling**  
(Year Three First Quarter)

Projects	Actuals						Years 3-4 Actual (Over) / Under Budget
	April	May	June	First Quarter Total	Years 3-4 to Date Total (a)	Years 3-4 Budget	
	\$	\$	\$	\$	\$	\$	\$
F 1 Further Development of Head/Brain Model	- (b)	- (b)	- (b)		-	150,000	150,000
F 2 Development of Head/Neck Models	- (b)	- (b)	- (b)			650,000	650,000
F 3 Develop Interactive Computer <b>Software</b> for Characterization of the Hazards Posed by Heat and Exposure to Toxic Agents Associated with Fire	- (b)	- (b)	- (b)		-	460,000	460,000
F 4 Experimental and Analytical Study of Transient Heat Loss to Air Bag Materials	- (b)	- (b)	- (b)			890,000	890,000
F 5 Canceled per agreement between NHTSA & GM			-	-	-	-	
F 6 Measure Properties of Vehicle Interior Materials	- (b)		-			20,000	20,000
F 7 Canceled per agreement between NHTSA & GM			-	-	-	-	
F 8 Development of Thorax Model	- (b)	- (b)	- (b)			550,000	550,000
Total Expenditures	-					2,720,000	2,720,000

Notes:

(a) Year 3 represents April 1, 1997 - March 31, 1998.

(b) Work is progressing on this project, and any expenditures (including oversight and administrative expenses) will be reported upon NHTSA's approval of the Statement of Work for Year 3.

DOT/GM Settlement Agreement  
Report of Expenditures  
**April 1, 1997 - June 30, 1997**  
**"G" Impairment Research**  
**(Year Three First Quarter)**

Projects	Actuals						First Quarter Total	Year 3 to Date Total (a)	Year 3 Budget	Year 3 Actual (Over) / Under Budget
	April		May		June					
	\$		\$		\$					
G 1 Changes in Crash-Involvement Rates as Drivers Age	-	(b)	-	(b)	-	(b)	-	-	-	-
G 2 Self-Regulation as a Mechanism for Improving the Safety of Older Drivers	-	(b)					-	-	-	-
G 3 Understanding the Influence of Older Driver Disability on Mobility and Quality of Life	-	(b)					-	-	-	
G 4 Improvement of Older Driver Safety Through Self-Evaluation	-	(b)			-		-	-	-	
G 5 Reduction or Cessation of Driving Among Older Drivers	-	(b)					-	-	-	
G 6 Projections of Crashes and Casualties Caused by Older Drivers	-	(b)					-	-	-	
G 7 Factors Contributing to Premature Reduction or Cessation of Driving by Older Men and Women	-	(b)					-	-	-	
G 8 Investigations of Crashes and Casualties Associated with Older Drivers	-	(b)					-	-	-	-
G 9 Remediation Through Adaptive Equipment and Training	-	(b)					-	-	-	-
Total Expenditures	-		-		-		-	-	-	-

Notes:

(a) Year 3 represents April 1, 1997 • March 31, 1998.

(b) Work is progressing on this project, and any **expenditures** (including oversight and administrative expenses) will be reported upon NHTSA's approval of the Statement of Work for Year 3



DOT/GM Settlement Agreement  
Report of Expenditures  
**April 1, 1997 - June 30, 1997**  
**"H" Child Safety Seats**  
**(Year Three First Quarter)**

Projects	Actuals			First Quarter Total	Year 3 To Date Total (a)	Year 3 Budget	Year 3 Actual (Over) / Under Budget
	April	May	June				
	\$	\$	\$	\$	\$	\$	\$
H Child Safety Seats							
National Easter Seal Society			400,000	400,000	400,000	400,000	
National SAFE KIDS Campaign	-		500,000	500,000	500,000	500,000	
The Safe America Foundation / Operation Baby Buckle	-		500,000	500,000	500,000	500,000	
National Association of Children's Hospitals & Related Institutions			600,000	600,000	600,000	600,000	
Total Expenditures	-	.	2,000,000	2,000,000	2,000,000	2,000,000	

Notes:

(a) Year 3 represents April 1, 1997 -March 31, 1998.